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U. S. DEPARTMENT OF AGRICULTURE

WASHINGTON, D. C.

BAY STATE BULB CO.
Mansfield, Mass.

BUREAU OF PLANT INDUSTRY
Horticultural Crops and Diseases

8-3591

All lovers of GLADIOLUS should join the
American Gladiolus Society

and receive the REVIEW monthly.
Send your name and \$2.00 to the Secretary
Roscoe Huff, Goshen, Ind.



Everyone in New England who is interested in
GLADIOLUS should be a member of the
New England Gladiolus Society

and receive its valuable Year Book free
also the wonderful Fischer's Color Chart.
Send your name and \$1.00 to the Secretary
Clark W. Brown, Ashland, Mass.

1933 Price List

TESTED AND PROVEN

GLORIOUS GLADIOLUS

Terms

Terms are cash with order or one third with order and balance before shipment or bulbs will be shipped C. O. D. Prices quoted are net postpaid.

Not less than 3 bulbs of a kind at dozen rate.

Not less than 25 bulblets of a kind at 100 rate.

No single item less than 10 cents.

No order accepted for less than \$1.00.

Special prices for lots of 100 or more on request.

Where prices are given as 3 for 10 cts., 2 for 10 cts., or 2 for 15 cts., please do not ask us to send 1 each of 2 or 3 kinds. It costs us just as much to put up an item of 1 bulb as for 2 or 3, and we lose money on items for less than 10 cts.

Prices have again been radically reduced so that we now offer nothing higher than 10 cents each. Even at these extremely low prices you will find included many varieties that are consistent winners at the largest shows. All will produce beautiful flowers. Our stock is carefully grown and of the highest quality, and at these prices offer values which we believe will be hard to duplicate.

In most varieties we can furnish small bulbs, $\frac{3}{4}$ to 1 inch in diameter, at one half these prices. These small bulbs, with good care, will produce excellent blooms, and will make more bulblets than larger bulbs.

We exercise great care in keeping our stock true to name and will replace without charge any bulb proving untrue. An error sometimes occurs but we are always glad to make adjustment to the customer's satisfaction.

No single item less than 10 cents.

3 for 10 cts. Doz. 35 cts. Bulblets 10 cts. per 100.

ALBANIA. Popular commercial white.

ALICE TIPLADY. Brilliant orange saffron Prim.

CRIMSON GLOW. Fine midseason deep red.

CRYSTAL WHITE. Pure white, rose markings.

E. J. SHAYLOR. Pure rose pink. Ruffled.

ETHELYN. Tall orange yellow Prim. Grand.

EVELYN KIRTLAND. Tall rose pink. Very fine.

FLAMING SWORD. Tall early red. Many open.

GIANT NYMPH. Fine large light pink. Extra.

GOLDEN GATE. Early large yellow Prim.

GRETCHEN ZANG. Soft geranium pink. Late.

HALLEY. Standard florist's early salmon pink.

HERADA. Pure self mauve. Exquisite.

INDEPENDENCE. Coral pink. Small blotch.

JOE COLEMAN. Fine large crimson red. Ruffled.

LILYWHITE. Standard early florist's white.

LOS ANGELES. Tall grenadine pink. Popular.

LOUISE. Large clean lavender. Maroon marking.

MARY PICKFORD. Delicate creamy white. Early.

MRS. FRANCIS KING. Tall flame scarlet. Late.

MRS. F. PENDLETON. Rose pink, carmine blotch.

MYSTIC. Deep rose pink, flaked red. Pretty.

NORA. Light lavender blue.

ODIN. Salmon pink, dark blotch. Early.

PEACE. Large late white, violet lines.

1910 ROSE. Fine early rose pink.

SCHWABEN. Canary yellow, purple spot.

WILBRINK. Flesh pink sport of Halley. Early.

No single item less than 10 cents.

2 for 10 cts. Doz. 50 cts. Bulblets 15 cts. per 100.

A. B. KUNDERD. Cream overlaid pink. Finely ruffled,

AMERICAN BEAUTY. American beauty rose color.

BARON HULOT. Fine deep violet blue.

BREAK O'DAY. Very large early LaFrance pink.

BYRON L. SMITH. Delicate lavender pink.

CAPTAIN BOYNTON. Pale lavender, purple blotch.

CARMEN SYLVA. Snow white, penciled lilac.

COPPER BRONZE. Like its name. Large flowers.

DR. R. T. JACKSON. Deep rich crimson maroon.

EARLY SNOWFLAKE. Large early white.

FERN KYLE. Giant exhibition creamy white.

GOLD EAGLE. Very early deep yellow Prim. Ruffled.

GOLDEN DREAM. Finest large deep yellow.

GOLDEN MEASURE. Fine big yellow. Tall.

HENRY FORD. Clean deep purple. Many open.

MARNIA. Large grenadine orange. Prim. Grand.

MRS. DR. NORTON. Lovely pink and cream. A favorite.

MRS. F. C. PETERS. Beautiful rose lilac, deeper blotch.

MRS. LEON DOUGLAS. Giant salmon rose, flaked.

MURIEL. Fine lavender blue.

NANCY HANKS. Orange pink with red lines.

PRIDE OF WANAKAH. Fine deep rose, deeper blotch.

RICHARD DIENER. Fine salmon pink. Many open.

ROMANCE. Smoky rose, edged blue. Unusual.

ROSE ASH. Ashes of roses. Very popular.

SCARLANO. Dark orange red. Ruffled.

SUNNYMEDE. Unusual shade of orange. A gem.

VIOLET BEAUTY. Cerise violet, purple blotch.

WHITE WONDER. Kemp's mammoth white.

No single item less than 10 cents.

2 for 15 cts. Doz. 75 cts. Bulblets 25 cts. per 100.

AFLAME. Very large flame rose. Long spikes.

ALTON. Intensely ruffled bright orange.

BENGAL TIGER. Striped smoky salmon. Unusual.

CATHERINE COLEMAN. Giant salmon pink. Long spikes.

DR. F. E. BENNETT. Finest scarlet cut flower.

DR. MOODY. Popular early lavender. Long spikes.

DR. NELSON SHOOK. Fine deep tyrian rose.

ELIZABETH SWARTLEY. Soft salmon pink, white throat.

EMILE AUBRUN. Coppery bronze, overlaid slate.

GERALDINE FARRAR. Fine light violet blue.

GLORIANA. Beautiful golden salmon. Tall.

GOLDILOCKS. Lovely chaste soft yellow prim.

JENNIE LIND. Soft salmon pink, yellow throat.

MADAM Von KONYNENBURG. Fine light blue violet.

MARIETTA. Rich salmon orange. Tall.

MARSHAL FOCH. Big rich salmon pink. Ruffled.

MRS. P. W. SISSON. Fine soft pink, cream blotch.

MR. W. H. PHIPPS. Wonderful big LaFrance pink. Late.

PERSIA. Deep blackish red. A real black beauty.

PFITZER'S TRIUMPH. Immense salmon red. Wonderful.

PURPLE GLORY. Giant velvety maroon. Ruffled.

RITA BECK. Fischer's sensational flesh pink.

ROSE MIST. Crushed strawberry Prim. Grand. Unique.

SHELL PINK. LaFrance pink, paler throat. Extra.

SWEET ROSE. Delicate soft rose pink.

TYCO ZANG. Large salmon pink. White throat.

VIOLET GLORY. Rich deep violet. Ruffled.

WHITE GLORY. Ruffled white. Iris blue throat.

Each 10 cts. Doz. \$1.00. Bulblets 50 cts. per 100.

BERTY SNOW. Large clear lavender, one of the best.

BETTY NUTHALL. Late orange salmon. Very fine.

KING SMOKE. Smoky old rose. Fine massive spikes.

MELBA. Fine creamy salmon. Fine spikes.

MINUET. Clear sparkling lavender. Wonderful.

PRINCELY. Fine large white, flushed pink.

ROZAN. Delicate rose pink. Large and tall.

SARABAND. Smoky plum. Cream throat.

VEILCHENBLAU. Fine exhibition dark violet blue.

Prices on all varieties described herein are for young plump healthy bulbs, $1\frac{1}{4}$ inches in diameter or over. These young vigorous bulbs will give much better results than large flat old bulbs, which often have been forced. Experienced growers very rarely buy large bulbs if young stock is available.

We take great pride in the quality of our stock and guarantee our bulbs to be healthy, clean and of the highest quality, and if given fair treatment will please the most critical grower.

We specialize in carefully selected, well balanced assortments, finding that many home gardeners do not care to undertake the extra care of keeping varieties separate. On pages 6 and 7 we offer a number of these carefully assorted collections, and believe one may be chosen to meet almost any need. We give this matter our personal attention and have hundreds of letters of commendation and praise. We believe that you too will be delighted with the blooms from one of these collections.

SPECIAL COLLECTIONS

No. 1 INTRODUCTORY COLLECTION

100 Bulbs for \$1.00 Postpaid. 6 lots for \$5.00

We are constantly improving the quality of this collection and it will this year include many choice varieties including a number of prize winners. Bulbs are all good blooming size 1 inch and over. Not less than 30 varieties and a good assortment of colors.

SPECIAL—If shipped in one package we will send 6 of these collections for \$5.00. Make up a club among your neighbors and get yours free. We cannot ship to separate addresses at this price.

No. 2. CUT FLOWER COLLECTION

100 Bulbs for \$1.50 Postpaid. 4 lots for \$5.00

1000 Bulbs for \$10.00

This collection consists of larger bulbs, 1½ inch and over, all colors, and will make fine blooms. Bulbs included are mostly popular commercial varieties such as Alice Tip-lady, Crimson Glow, Crystal White, Dorritt, Ethelyn, Giant Nymph, Gold Eagle, Gold Drop, Halley, Joe Coleman, Los Angeles, Pendleton, King, Peace, Schwaben, etc., with a good sprinkling of newer kinds. This is a well balanced collection and sure to please.

No. 3. RAINBOW COLLECTION

100 Bulbs for \$2.50 Postpaid. 4 lots for \$9.00

1000 Bulbs for \$20.00

We are putting special emphasis on this collection this year and are trying to make it an outstanding assortment. It will be made up entirely of named varieties, and we guarantee at least 35 kinds of which not less than 15 will be kinds which have won prizes at the great Boston Show

during the past 2 years. This collection is much improved over former years and the price is dropped to \$2.50 for 100 bulbs, surely a most reasonable price for nice clean plump bulbs of real meritorious varieties. We believe this collection is better than many offered at much higher prices and are ready to stand back of our well known guarantee of SATISFACTION OR MONEY BACK.

No. 4. SEPARATE COLORS COLLECTION

125 Bulbs for \$3.00 Postpaid. 4 lots for \$10.00
200 each color, 1000 in all for \$18.00

This collection is made up of named varieties, assorted to color as follows—25 Red, 25 White, 25 Pink, 25 Yellow, and 25 Blue or Violet shades. Each color separate and labeled. Each color will include several varieties unless requested one variety, which will be our selection. This is a real good collection and has been popular.

No. 5. OUR BAY STATE SPECIAL

600 Bulbs for \$10.00 Postpaid

This collection consists of 12 bulbs each of 50 different varieties, each separate and labeled. It will include a wide assortment of colors and a good range of early, mid-season, and late varieties, including a number of exhibition kinds. This is a real comprehensive collection and will in itself provide a fine GLORIOUS GLADIOLUS GARDEN. A fine display for a very modest price.

GUARANTEE

All bulbs in these collections are large blooming size bulbs, $1\frac{1}{4}$ inch or over in diameter, except in No. 1, which are 1 inch and over. All bulbs in these collections are guaranteed to satisfy you. If for any cause you are not satisfied, return bulbs at once to us and your money will be promptly returned.

SPECIAL OFFERS

We have a large supply of good blooming size bulbs 1 inch and over in the following varieties and offer them in quantity at reduced prices. Postage prepaid.

	Per 25	Per 50	Per 100
A. B. KUNDERD.....	.50	.85	1.50
ALBANIA .....	.35	.60	1.00
AMERICAN BEAUTY .....	.50	.85	1.50
ANNIE LAURIE .....	.50	.85	1.50
BARON HULOT .....	.50	.85	1.50
BERTY SNOW	1.00	2.00	4.00
BETTY NUTHALL	1.00	2.00	4.00
BREAK O'DAY .....	.50	.85	1.50
BYRON L. SMITH .....	.50	.85	1.50
CAPTAIN BOYNTON .....	.50	.85	1.50
CARMEN SYLVA .....	.50	.85	1.50
CRIMSON GLOW .....	.35	.60	1.00
COPPER BRONZE .....	.50	.85	1.50
DR. F. E. BENNETT .....	.60	1.00	1.75
DR. NELSON SHOOK .....	.60	1.00	1.75
DR. R. T. JACKSON .....	.50	.85	1.50
E. J. SHAYLOR .....	.35	.60	1.00
ELIZABETH SWARTLEY ..	.60	1.00	1.75
ETHELYN .....	.35	.60	1.00
EVELYN KIRTLAND .....	.35	.60	1.00
FERN KYLE .....	.50	.85	1.50
FLAMING SWORD .....	.35	.60	1.00
GERALDINE FARRAR .....	.60	1.00	1.75
GIANT NYMPH .....	.35	.60	1.00
GOLD DROP .....	.35	.60	1.00

	Per 25	Per 50	Per 100
GOLD EAGLE .....	.50	.85	1.50
GOLDEN DREAM .....	.50	.85	1.50
GOLDEN MEASURE .....	.50	.85	1.50
GOLDILOCKS .....	.60	1.00	1.75
GRETCHEN ZANG .....	.35	.60	1.00
HALLEY .....	.35	.60	1.00
HENRY FORD .....	.50	.85	1.50
HERADA .....	.35	.60	1.00
JACK LONDON .....	.50	.85	1.50
JOE COLEMAN .....	.35	.60	1.00
KING SMOKE .....	.75	1.50	3.00
LILYWHITE .....	.35	.60	1.00
LONGFELLOW .....	.50	.85	1.50
LOS ANGELES .....	.35	.60	1.00
LOUISE .....	.35	.60	1.00
MARY PICKFORD .....	.35	.60	1.00
MRS. DR. NORTON .....	.50	.85	1.50
MRS. FRANCIS KING .....	.35	.60	1.00
MRS. F. PENDLETON .....	.35	.60	1.00
MRS. F. C. PETERS .....	.50	.85	1.50
MRS. LEON DOUGLAS .....	.50	.85	1.50
MR. W. H. PHIPPS .....	.60	1.00	1.75
MURIEL .....	.50	.85	1.50
MYSTIC .....	.35	.60	1.00
NANCY HANKS .....	.50	.85	1.50
NORA .....	.35	.60	1.00
OPALESCENT .....	.35	.60	1.00
PEACE .....	.35	.60	1.00
PERSIA .....	.60	1.00	1.75
PINK WONDER .....	.50	.85	1.50
PRIDE OF WANAKAH .....	.50	.85	1.50

	Per 25	Per 50	Per 100
PRINCELY .....	.75	1.50	3.00
PURPLE GLORY .....	.65	1.10	2.00
RICHARD DIENER .....	.50	.85	1.50
ROMANCE .....	.50	.85	1.50
ROSE ASH .....	.50	.85	1.50
ROSE MIST .....	.60	1.00	1.75
1910 ROSE .....	.35	.60	1.00
SARABAND .....	.75	1.50	3.00
SCARLANO .....	.50	.85	1.50
SCHWABEN .....	.35	.60	1.00
SHELL PINK .....	.60	1.00	1.75
SUNNYMEDE .....	.50	.85	1.50
SWEET ROSE .....	.60	1.00	1.75
TYCO ZANG .....	.60	1.00	1.75
VIOLET BEAUTY .....	.50	.85	1.50
WHITE GLORY .....	.60	1.00	1.75
WHITE WONDER .....	.50	.85	1.50
WILBRINK .....	.35	.60	1.00

We especially urge that wherever possible at least 100 bulbs be planted, including early, mid-season and late varieties, so that you may have enough open at one time to cut an attractive bouquet, also have a long season of bloom. This may be done in a small space as they may be planted from 4 to 6 inches apart. If possible grow them by the thousand. Select a few by name for a trial garden and plant one or more thousand mixed bulbs in a bed for landscape and cutting. For this purpose you will find special collections on pages 6 and 7 admirably adapted. A bed 3 feet wide and 50 feet long is ample for 1000 bulbs.

THRIPS

The most outstanding development in the history of the Gladiolus is the recent appearance of an insect pest known as Thrips. These were first discovered in 1930 and no one appears to know where they came from. In 1931 the damage done in some sections was very great and scientific investigation was started by the Department of Agriculture in Washington as well as a number of state departments. Various methods of control have been developed and it now appears that satisfactory control is not only possible but is neither expensive nor difficult.

All authorities agree that the most important feature is to be sure your bulbs when planted are absolutely free from thrips. With this assured it appears highly probable that frequent spraying with the garden hose with good pressure and cold water will keep these pests well in control. If you care to resort to spraying, probably the formula of 2 level tablespoons of Paris Green and 2 lbs. of brown sugar dissolved in 3 gallons of water is the most satisfactory. A little nicotine sulfate may be added if desired.

There was very little damage by Thrips in this vicinity last summer, and in our own gardens we had almost none. We did however have a very few, as did probably practically every grower in the country. Our own were as free as any I saw, but to be sure our customers get bulbs that are absolutely clean we have installed arrangements for treating the bulbs that we think are second to none, and all our bulbs will be thoroughly treated before shipment and will reach you absolutely free from Thrips, either adult or eggs.

For home treatment of small quantities of bulbs it is probable that the most practical is the use of Napthalene flakes which can be obtained at any drug store at a very low price. When your bulbs are fairly well dried after digging and the roots and old bulbs removed, spread out in shallow boxes and sprinkle Napthalene flakes over them at the rate of about an ounce to 100 bulbs. More will not hurt. Cover the trays with newspapers to confine the fumes but do not cover with an absolutely tight cover. Keep in a warm place, about 65°, to 70°, for 2 to 3 weeks, then remove the papers and store in a cool place, not cooler than 33° and not warmer than 45°. 35 to 40 is best. 2 or 3 weeks before planting sprinkle on more Napthalene and again bring into a warmer place, covering with newspapers as before. We are assured that this treatment will kill all thrips both adult and eggs. After the bulbs are planted and growing it is probable that frequent syringing with the hose with good pressure will keep your glads free from injury by this pest.

Soaking the bulbs for 12 hours either in Bichloride of Mercury (Corrosive Sublimate) 1 to 1000, or in common household lye, 1 pound to 20 gallons of water, instead of the last application of Napthalene just before planting, will kill all disease germs such as rot or scab, as well as clean up all Thrips, and will give you fine clean bulbs when dug. We recommend this treatment.

Death to Thrips!

THREE are proven ways of ridding your gladiolus of thrips, and ways of preventing thrips from infesting your glad garden. In the 1933 Year Book of the New England Gladiolus Society these ways are told. Some of the foremost authorities on thrips and their control have contributed articles that tell how your glads may be free from the pest, and the full beauty of the flowers be yours to enjoy.

Read

"Combating Gladiolus Thrips", by W. D. Whitcomb

"Gladiolus Thrips", by C. A. Weigel

"The Menace of Thrips", by Herbert O. Evans

—and other helpful, invaluable articles by F. C. Hornberger, Chas. E. F. Gersdorf, A. A. Arenius, and others.

All in the 1933 Year Book of the N.E.G.S.

WHAT THEY SAY ABOUT THE FISCHER COLOR CHART

"The Fischer Color Chart offers just the help needed for describing the hues of gladiolus."

—Miss Flora E. Breck

— : —

"Your new color chart . . . is a remarkably easy way to classify the color of a glad . . . when a color is given according to the Fischer chart, a person does not have to be an authority on colors to have an idea what the color is that is referred to. I consider it the foremost work of its kind."

—John K. Bellard

— : —

"It is of great value in color classification . . . I believe it will become in strong demand when it becomes known."

—Mrs. A. H. Austin

— : —

"The Fischer Color Chart . . . is a great benefit to all flower show exhibitors. The schematic arrangement is excellent and the chromatic gradation sufficient for the purpose intended . . . It far surpasses anything in its type for color work."

—Dr. S. Irving Moody

— : —

"I am very pleased with the Fischer Color Chart and am sure it will be of great service all thru the gladiolus blooming season."

—Ralph J. Rooney

— : —

"I like it very much for comparing colors and shades, and I consider the Fischer Color Chart a very valuable asset for a grower to have."

—L. C. Wilkinson

YOU NEED THE FISCHER COLOR CHART

APPLICATION BLANK FOR NEW MEMBERS

New England Gladiolus Society

C. W. BROWN, *Secretary*,
ASHLAND, MASS.

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Please enroll me as a member of the NEW ENGLAND GLADIOLUS SOCIETY, and mail a copy of the 1932 Year Book and the Fischer Color Chart, for which I enclose \$1.00 for dues for 1933. (Cloth bound year book 50c extra if desired). 1933 Year Book ready in February will also be sent free.

(PLEASE PRINT NAME AND ADDRESS)

Name _____

Professional _____
Amateur _____

Street and Number _____

State _____

Post Office _____

Make checks payable to the NEW ENGLAND GLADIOLUS SOCIETY.

Credit this membership to F. O. SHEPARDSON, Mansfield, Mass.

CULTURE

Gladiolus bulbs should be planted in full sunshine and will not thrive in shady places. If planted in rows we recommend a double row with bulbs about 4 inches apart; if in beds plant from 4 to 6 inches each way. Plant from 4 to 6 inches deep on moderately rich soil and do not allow bulbs to come in contact with fresh manure. It is best to apply manure in the fall and dig it into the soil in the spring. They may be planted any time after the ground is fit to work and should be kept free from weeds at all times. With clean cultivation it is seldom necessary to apply water, but if it becomes necessary, water very thoroughly about once a week, rather than a little every day.

When cutting flowers leave 4 full leaves to mature the bulb. Remove faded flowers and cut off a little of the stem every day and they will last a week or more in good condition.

When leaves turn yellow or are killed by frost dig up the bulbs, cut off the tops close to the bulb, and spread out in the sun to dry. When thoroughly dry place in shallow boxes and in a dry frost proof place. Do not store in tight bags or in deep boxes as they must have good ventilation or they will mould and rot. The old dried up bulbs and bulblets may be removed at any time before planting.

If you have the room you will find much enjoyment in planting the bulblets and watching them develop. Plant thickly in rows about 2 inches deep early in the season. While germination is somewhat uncertain yet if you have fair success you will find this a very inexpensive way to secure a stock of some of the higher priced varieties.

CAUTION

When you receive bulbs, no matter where from, open packages immediately to admit air, and store in a cool place but keep from frost. Leave top of bags open, or better place in shallow box. They must not be left in closed bags.



BAY STATE BULB CO.

Mansfield, Mass.

F. F. SHEPARDSON
President

F. O. SHEPARDSON
Treas. and Gen. Mgr.

R. J. KOUKOL
Production Manager